Two Drimane-type Sesquiterpenes, Strobilactones A and B, from the Liquid Culture of the Edible Mushroom *Strobilurus ohshimae*

Yoshihito Shiono[a], Fuminori Hiramatsu[a], Tetsuya Murayama[a], Takuya Koseki[a], Takayuki Funakoshi[b], Koji Ueda[c], and Hironori Yasuda[c]

[a] Department of Bioresource Engineering, Faculty of Agriculture, Yamagata University, Tsuruoka, Yamagata 997-8555, Japan
[b] Department of Nursing, Faculty of Nursing and Welfare, Kyushu University of Nursing and Social Welfare, 888 Tomio, Tamana 865-0062, Japan
[c] Department of Bioproduction, Faculty of Agriculture, Yamagata University, Tsuruoka, Yamagata 997-8555, Japan

Reprint requests to Dr. Y. Shiono. Fax: +81-235-28-2873. E-mail: yshiono@tds1.tr.yamagata-u.ac.jp

Z. Naturforsch. **2007**, *62b,* 1585 – 1589; received June 6, 2007

Two novel drimane sesquiterpenoids, strobilactones A (**3**) and B (**4**), were isolated from the organic extract of a liquid culture of *Strobilurus ohshimae*. The structures of **3** and **4** were determined by spectroscopic methods. Compounds **3** and **4** exhibit cell growth inhibitory activities against cultured COLO 201 cells. Compound **4** also shows antimicrobial activity against *Staphylococcus aureus* and *Pseudomonas aeruginosa*.

Key words: Strobilurus ohshimae, Drimane, Strobilactones A and B, Edible Mushroom